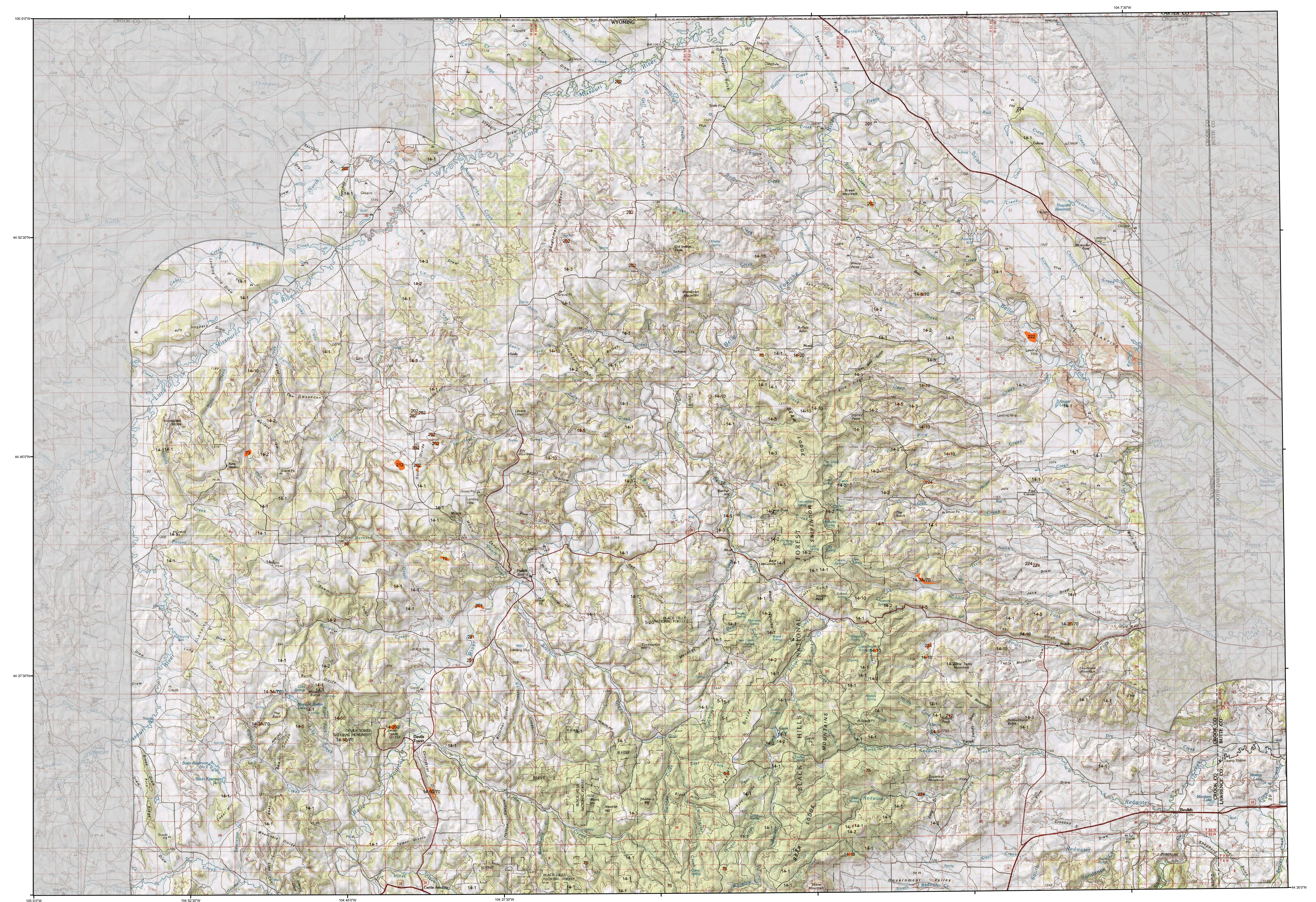


2007 Aerial Insect and Disease Survey

Devils Tower, Wyoming

USGS 100K TOPO! 44104-E1



1:100,000

Legend

Causal Agent(s)

Not Flown

Use of the Number System

Example: 5-25 = The first number before the dash is the causal agent code. The number after the dash is the number of dead "faster" trees in the polygon or point. When recent dead trees are not counted, an intensity code of L-light, M-moderate, and H-high may be used after the causal agent code. Periodically, trees per acreage estimates are used after the causal agent code instead of number of dead "faster" trees (or an intensity code). For example: 5-1/2A = The first number before the dash is the causal agent code. The number after the dash is an estimation of the number of dead "faster" trees in the polygon per acre. In this case I would be an estimation that, on the average, one tree per every two acres would be a dead "faster" tree. In another example: 5-3A = that on the average, an estimated three trees per acre are dead "faster" trees. A / is used as a separator when a point polygon has more than one causal agent code.

Code	Causal Agent	Primary Host	Code	Causal Agent	Primary Host	Code	Causal Agent	Primary Host
1	Douglas-fir beetle	Douglas-fir	49	Atropis	Lodgepole Pine	108	fox squirrel flagging	Cottonwood Poplar
2	Engelmann spruce beetle	Engelmann Spruce	50	White pine blister rust	S-Needle Pine	107	fall webworm	Cottonwood Poplar
3	Mountain pine beetle	Ponderosa Pine	51	Dwarf mistletoe	Softwoods	109	road salt	Softwoods
4	Mountain pine beetle	Lodgepole Pine	52	Elymus	Ponderosa Pine	110	pinewood nematode	Scotch Pine
5	Mountain pine beetle	S-Needle Pine	53	Insects Red, 55 & 58	All Tree Species	111	oak wilt	Oak
6	Western pine beetle	Ponderosa Pine	54	Air pollutants	All Tree Species	112	foliage disease	All Tree Species
7	Fire Engraver	White Fir	55	Chemical damage	Softwoods	113	spine lice	White Spruce
8	Douglas-fir engraver beetle	Douglas-fir	56	Lophodermium pinastri	Softwoods	114	twined chestnut borer	Oak
9	Western balsam bark beetle	Subalpine Fir	57	Rhabdoline pseudotsugae	Douglas-fir	115	ambrosia live foliar disease	Bar Oak
10	Unidentified bark beetle	Softwoods	58	Rhabdoline pseudotsugae	Softwoods	116	Dieback	All Tree Species
11	Pine engraver	Lodgepole Pine	59	Leucostoma scitella	Softwoods	117	Mortality	All Tree Species
12	Pine engraver	Ponderosa Pine	60	Lophodermium concolor	Softwoods	118	Herpetidae	All Tree Species
13	Ponderosa pine needle miner	Lodgepole Pine	61	Dothistroma pini	Softwoods	119	Flagging	Quaking Aspen
14	Lodgepole pine needle miner	Ponderosa Pine	62	Needle cast (Hymenoptera)	Softwoods	120	Aspen tortrix	Quaking Aspen
15	Jack pine budworm	Jack Pine	63	Root Rot	All Tree Species	121	Marsdenia Blight	Ash
16	Spruce budworm, light defol.	Douglas-fir	64	Unidentified disease	Softwoods	122	Dieback (oak)	Cottonwood Poplar
17	Spruce budworm, medium defol.	Douglas-fir	65	Winter damage light	All Tree Species	200	Dieback (hardwood)	Hardwoods
18	Spruce budworm, heavy defol.	Douglas-fir	66	Winter damage medium	All Tree Species	201	Dieback (oak)	Oak
19	Douglas-fir tussock moth	Ponderosa Pine	67	Winter damage heavy	All Tree Species	202	Dieback (oak)	Oak
20	Pine tussock	Ponderosa Pine	68	Diplotis	Softwoods	203	Dieback (oak)	Oak
21	Pine tussock	Ponderosa Pine	69	Pyren black stain	Common Pinyon	204	Mortality (oak)	Eastern Red Cedar
22	Tree tortoise	Hardwoods	70	Fire	All Tree Species	205	Mortality (oak)	Oak
23	Tree tortoise	Hardwoods	71	Porcupine	All Tree Species	210	Mortality (oak)	Eastern Red Cedar
24	Tree tortoise	Hardwoods	72	Windthrow	All Tree Species	211	Mortality (oak)	Oak
25	Tree tortoise	Hardwoods	73	High water damage	All Tree Species	212	Mortality (oak)	Oak
26	Tree tortoise	Hardwoods	74	Aspen decline-multiple agents)	Common Pinyon	213	Mortality (oak)	Oak
27	Tree tortoise	Hardwoods	75	Aspen decline-multiple agents)	Common Pinyon	214	Mortality (oak)	Oak
28	Tree tortoise	Hardwoods	76	Aspen decline-multiple agents)	Common Pinyon	215	Mortality (oak)	Oak
29	Tree tortoise	Hardwoods	77	Aspen decline-multiple agents)	Common Pinyon	216	Mortality (oak)	Oak
30	Tree tortoise	Hardwoods	78	Aspen decline-multiple agents)	Common Pinyon	217	Mortality (oak)	Oak
31	Tree tortoise	Hardwoods	79	Aspen decline-multiple agents)	Common Pinyon	218	Mortality (oak)	Oak
32	Tree tortoise	Hardwoods	80	Aspen decline-multiple agents)	Common Pinyon	219	Mortality (oak)	Oak
33	Tree tortoise	Hardwoods	81	Aspen decline-multiple agents)	Common Pinyon	220	Mortality (oak)	Oak
34	Tree tortoise	Hardwoods	82	Aspen decline-multiple agents)	Common Pinyon	221	Mortality (oak)	Oak
35	Tree tortoise	Hardwoods	83	Aspen decline-multiple agents)	Common Pinyon	222	Mortality (oak)	Oak
36	Tree tortoise	Hardwoods	84	Aspen decline-multiple agents)	Common Pinyon	223	Mortality (oak)	Oak
37	Tree tortoise	Hardwoods	85	Aspen decline-multiple agents)	Common Pinyon	224	Mortality (oak)	Oak
38	Tree tortoise	Hardwoods	86	Aspen decline-multiple agents)	Common Pinyon	225	Mortality (oak)	Oak
39	Tree tortoise	Hardwoods	87	Aspen decline-multiple agents)	Common Pinyon	226	Mortality (oak)	Oak
40	Tree tortoise	Hardwoods	88	Aspen decline-multiple agents)	Common Pinyon	227	Mortality (oak)	Oak
41	Tree tortoise	Hardwoods	89	Aspen decline-multiple agents)	Common Pinyon	228	Mortality (oak)	Oak
42	Tree tortoise	Hardwoods	90	Aspen decline-multiple agents)	Common Pinyon	229	Mortality (oak)	Oak
43	Tree tortoise	Hardwoods	91	Aspen decline-multiple agents)	Common Pinyon	230	Mortality (oak)	Oak
44	Tree tortoise	Hardwoods	92	Aspen decline-multiple agents)	Common Pinyon	231	Mortality (oak)	Oak
45	Tree tortoise	Hardwoods	93	Aspen decline-multiple agents)	Common Pinyon	232	Mortality (oak)	Oak
46	Tree tortoise	Hardwoods	94	Aspen decline-multiple agents)	Common Pinyon	233	Mortality (oak)	Oak
47	Tree tortoise	Hardwoods	95	Aspen decline-multiple agents)	Common Pinyon	234	Mortality (oak)	Oak
48	Tree tortoise	Hardwoods	96	Aspen decline-multiple agents)	Common Pinyon	235	Mortality (oak)	Oak
49	Tree tortoise	Hardwoods	97	Aspen decline-multiple agents)	Common Pinyon	236	Mortality (oak)	Oak
50	Tree tortoise	Hardwoods	98	Aspen decline-multiple agents)	Common Pinyon	237	Mortality (oak)	Oak
51	Tree tortoise	Hardwoods	99	Aspen decline-multiple agents)	Common Pinyon	238	Mortality (oak)	Oak
52	Tree tortoise	Hardwoods	100	Aspen decline-multiple agents)	Common Pinyon	239	Mortality (oak)	Oak
53	Tree tortoise	Hardwoods	101	Aspen decline-multiple agents)	Common Pinyon	240	Mortality (oak)	Oak
54	Tree tortoise	Hardwoods	102	Aspen decline-multiple agents)	Common Pinyon	241	Mortality (oak)	Oak
55	Tree tortoise	Hardwoods	103	Aspen decline-multiple agents)	Common Pinyon	242	Mortality (oak)	Oak
56	Tree tortoise	Hardwoods	104	Aspen decline-multiple agents)	Common Pinyon	243	Mortality (oak)	Oak
57	Tree tortoise	Hardwoods	105	Aspen decline-multiple agents)	Common Pinyon	244	Mortality (oak)	Oak
58	Tree tortoise	Hardwoods	106	Aspen decline-multiple agents)	Common Pinyon	245	Mortality (oak)	Oak
59	Tree tortoise	Hardwoods	107	Aspen decline-multiple agents)	Common Pinyon	246	Mortality (oak)	Oak
60	Tree tortoise	Hardwoods	108	Aspen decline-multiple agents)	Common Pinyon	247	Mortality (oak)	Oak
61	Tree tortoise	Hardwoods	109	Aspen decline-multiple agents)	Common Pinyon	248	Mortality (oak)	Oak
62	Tree tortoise	Hardwoods	110	Aspen decline-multiple agents)	Common Pinyon	249	Mortality (oak)	Oak
63	Tree tortoise	Hardwoods	111	Aspen decline-multiple agents)	Common Pinyon	250	Mortality (oak)	Oak
64	Tree tortoise	Hardwoods	112	Aspen decline-multiple agents)	Common Pinyon	251	Mortality (oak)	Oak
65	Tree tortoise	Hardwoods	113	Aspen decline-multiple agents)	Common Pinyon	252	Mortality (oak)	Oak
66	Tree tortoise	Hardwoods	114	Aspen decline-multiple agents)	Common Pinyon	253	Mortality (oak)	Oak
67	Tree tortoise	Hardwoods	115	Aspen decline-multiple agents)	Common Pinyon	254	Mortality (oak)	Oak
68	Tree tortoise	Hardwoods	116	Aspen decline-multiple agents)	Common Pinyon	255	Mortality (oak)	Oak
69	Tree tortoise	Hardwoods	117	Aspen decline-multiple agents)	Common Pinyon	256	Mortality (oak)	Oak
70	Tree tortoise	Hardwoods	118	Aspen decline-multiple agents)	Common Pinyon	257	Mortality (oak)	Oak
71	Tree tortoise	Hardwoods	119	Aspen decline-multiple agents)	Common Pinyon	258	Mortality (oak)	Oak
72	Tree tortoise	Hardwoods	120	Aspen decline-multiple agents)	Common Pinyon	259	Mortality (oak)	Oak
73	Tree tortoise	Hardwoods	121	Aspen decline-multiple agents)	Common Pinyon	260	Mortality (oak)	Oak
74	Tree tortoise	Hardwoods	122	Aspen decline-multiple agents)	Common Pinyon	261	Mortality (oak)	Oak
75	Tree tortoise	Hardwoods	123	Aspen decline-multiple agents)	Common Pinyon	262	Mortality (oak)	Oak
76	Tree tortoise	Hardwoods	124	Aspen decline-multiple agents)	Common Pinyon	263	Mortality (oak)	Oak
77	Tree tortoise	Hardwoods	125	Aspen decline-multiple agents)	Common Pinyon	264	Mortality (oak)	Oak
78	Tree tortoise	Hardwoods	126	Aspen decline-multiple agents)	Common Pinyon	265	Mortality (oak)	Oak
79	Tree tortoise	Hardwoods	127	Aspen decline-multiple agents)	Common Pinyon	266	Mortality (oak)	Oak
80	Tree tortoise	Hardwoods	128	Aspen decline-multiple agents)	Common Pinyon	267	Mortality (oak)	Oak
81	Tree tortoise	Hardwoods	129	Aspen decline-multiple agents)	Common Pinyon	268	Mortality (oak)	Oak
82	Tree tortoise	Hardwoods	130	Aspen decline-multiple agents)	Common Pinyon	269	Mortality (oak)	Oak
83	Tree tortoise	Hardwoods	131	Aspen decline-multiple agents)	Common Pinyon	270	Mortality (oak)	Oak
84	Tree tortoise	Hardwoods	132	Aspen decline-multiple agents)	Common Pinyon	271	Mortality (oak)	Oak
85	Tree tortoise	Hardwoods	133	Aspen decline-multiple agents)	Common Pinyon	272	Mortality (oak)	Oak
86	Tree tortoise	Hardwoods	134	Aspen decline-multiple agents)	Common Pinyon	273	Mortality (oak)	Oak
87	Tree tortoise	Hardwoods	135	Aspen decline-multiple agents)	Common Pinyon	274	Mortality (oak)	Oak
88	Tree tortoise	Hardwoods	136	Aspen decline-multiple agents)	Common Pinyon	275	Mortality (oak)	Oak
89	Tree tortoise	Hardwoods	137	Aspen decline-multiple agents)	Common Pinyon	276	Mortality (oak)	Oak
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93	Tree tortoise	Hardwoods	141	Aspen decline-multiple agents)	Common Pinyon	280	Mortality (oak)	Oak
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95	Tree tortoise	Hardwoods	143	Aspen decline-multiple agents)	Common Pinyon	282	Mortality (oak)	Oak
96	Tree tortoise	Hardwoods	144	Aspen decline-multiple agents)	Common Pinyon	283	Mortality (oak)	Oak
97	Tree tortoise	Hardwoods	145	Aspen decline-multiple agents)	Common Pinyon	284	Mortality (oak)	Oak
98	Tree tortoise	Hardwoods	146	Aspen decline-multiple agents)	Common Pinyon	285	Mortality (oak)	Oak
99	Tree tortoise	Hardwoods	147	Aspen decline-multiple agents)	Common Pinyon	286	Mortality (oak)	Oak
100	Tree tortoise	Hardwoods	148	Aspen decline-multiple agents)	Common Pinyon	287	Mortality (oak)	Oak
101	Tree tortoise	Hardwoods	149	Aspen decline-multiple agents)	Common Pinyon	288	Mortality (oak)	Oak
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105	Tree tortoise	Hardwoods	153	Aspen decline-multiple agents)	Common Pinyon	292	Mortality (oak)	Oak
106	Tree tortoise	Hardwoods	154	Aspen decline-multiple agents)	Common Pinyon	293	Mortality (oak)	Oak
107	Tree tortoise	Hardwoods	155	Aspen decline-multiple agents)	Common Pinyon	294	Mortality (oak)	Oak
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111	Tree tortoise	Hardwoods	159	Aspen decline-multiple agents)	Common Pinyon	298	Mortality (oak)	Oak
112	Tree tortoise	Hardwoods	160	Aspen decline-multiple agents)	Common Pinyon	299	Mortality (oak)	Oak
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114	Tree tortoise	Hardwoods	162	Aspen decline-multiple agents)	Common Pinyon	301	Mortality (oak)	Oak
115	Tree tortoise	Hardwoods	163	Aspen decline-multiple agents)	Common Pinyon	302	Mortality (oak)	Oak
116	Tree tortoise	Hardwoods	164	Aspen decline-multiple agents)	Common Pinyon	303	Mortality (oak)	Oak
117	Tree tortoise	Hardwoods	165	Aspen decline-multiple agents)	Common Pinyon	304	Mortality (oak)	Oak
118	Tree tortoise	Hardwoods	166	Aspen decline-multiple agents)	Common Pinyon	305	Mortality (oak)	Oak
119	Tree tortoise	Hardwoods	167	Aspen decline-multiple agents)	Common Pinyon	306	Mortality (oak)	Oak
120	Tree tortoise	Hardwoods	168	Aspen decline-multiple agents)	Common Pinyon	307	Mortality (oak)	Oak
121	Tree tortoise	Hardwoods	169	Aspen decline-multiple agents)	Common Pinyon	308	Mortality (oak)	Oak
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123	Tree tortoise	Hardwoods	171	Aspen decline-multiple agents)	Common Pinyon	310	Mortality (oak)	Oak
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130	Tree tortoise	Hardwoods	178	Aspen decline-multiple agents)	Common Pinyon	317	Mortality (oak)	Oak
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133	Tree tortoise	Hardwoods	181	Aspen decline-multiple agents)	Common Pinyon	320	Mortality (oak)	Oak
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154	Tree tortoise	Hard						